BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Improvements to Roads at ward No. 07, Byatarayanapura in Sanjeevininagara

ESTIMATED COST 2000000.00

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
1	KSRB 2-2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specification. (Page No.5 item No.2.3) 2012-13 SR						cum		
	Culvert		1	20.00	2.00	1.50	60.00	135.00	8100.00
	Basic Rate Rs.	125.00							
	Add 8% A.W Rs.	10.00							
	Total Rate Rs.	135.00							
2	KSRB: 1-1.3: Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.(P.No.12, I.No.4.3 of PW,P&IWTD S.R 2012-13)						cum		
	Culvert		1	20.00	2.00	0.15	6.00		
							6.00	3884.76	23309.00
	Basic Rate Rs.	3597.00							
	Add 8% A.W Rs.	287.76							
	Total Rate Rs.	3884.76							
3	KSRB - 5.2.3: Providing and constructing **granite size stone masornry in foundation cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m.apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.No.25, I.No.5.6 of PW, P&IWTD SR 2012-13)						cum		
	Culvert		2	20.00	0.45	1.20	21.60	2761.56	59650.00
	Basic Rate Rs.	2557.00							
	Add 8% A.W Rs.	204.56							
	Total Rate Rs.	2761.56							
4	KSRB - 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with **CM 1:3,** 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.119, I.No.15.1 of PW.						Sqm		
	Culverts		2	20.00		1.2	48.00	71.39	3427.00
	Basic Rate Rs.	66.10							
	Add 8% A.W Rs.	5.29							
	Total Rate Rs.	71.39							
5	KSRB - 4-1.6: Providing and laying in position **plain cement concrete of mix M15** with cement @ 240 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P.No.12, I.No.4.6 of PW, P&IWTD SR 2012-						cum		
	Coping		2	20.00	0.60	0.15	3.60		
	Basic Rate Rs.	4083.00					3.60	4409.64	15875.00
	Add 8% A.W Rs.	326.64							
	Total Rate Rs.	4409.64							
6	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc, and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2. (Page No.17 item No.4.30) SR 2012-13						Sqm		
	Culvert		2	20.00	0.60		24.00		
							24.00	315.36	7569.00
	Basic Rate Rs.	292.00							
	Add 8% A.W Rs.	23.36							
	Total Rate Rs.	315.36							

7	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC Works laid in 15cms thick layers and well compacted including vibrating curing etc., including smooth finish in C.M 1:3 with all lead and lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete for Beams, Columns Staircase and Roof with M-20 (1:1.5:3) (Cement 320kg/cum) (Page No.19 item No.4.49.1) SR 2012-13						cum		
	Culvert		1	20.00	1.80	0.23	8.28		
							8.28	**5639.76**	**46697.00**
	Basic Rate Rs.	**5222.00**							
	Add 8% A.W Rs.	**417.76**							
	Total Rate Rs.	**5639.76**							
8	KSRB 4.9.2: Providing TMT. Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, lobour, HOM of machinery complete as per specifications. (Page No. 19 item No.4.46) SR 2012-13						Qtl		
	90 Kg		Qty vide Item No.7				745.2		
	Basic Rate Rs.	**6781.00**					**7.45**	**7323.48**	**54560.00**
	Add 8% A.W Rs.	**542.48**							
	Total Rate Rs.	**7323.48**							
9	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. (P. 168 Item						Cum		
	Sanjeeviningara- 1st Cross		1	330.00	3.50	0.30	346.50		
	2nd Cross		1	185.00	10.00	0.20	370.00		
	Basic Rate Rs.	981.00					**716.50**	1059.48	**759117.00**
	Add 8% A.W Rs.	78.48							
	Total Rate Rs.	**1059.48**							
10	KSRRB 500-8: Providing and applying tack coat on granular surface treated with primer at 7.5kg per 10 sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surfacr) including cost of all materials labour HOM of Machineries complete as per specifications P-173, Item - SR 2012-13						**Sqm**		
	Sanjeeviningara- 1st Cross		1	330.00	3.50		1155.00		
	2nd Cross		1	185.00	10.00		1850.00		
							3005.00	**19.66**	**59066.00**
	Basic Rate Rs.	18.20							
	Add 8% A.W Rs.	1.46							
	Total Rate Rs.	**19.66**							
11	KSRRB M500-18. Providing and laying semi dense bituminous concrete 30 mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500:8 complete in all respects as per specifications. with 80/100 grade bitumen using 40-60 HMP using mechanical paver (Grading II)(P. 175, Item No. 21.20.6) SR 2012-13						**Cum**		
	Sanjeeviningara- 1st Cross		1	330.00	3.50	0.030	34.65		
	2nd Cross		1	185.00	10.00	0.030	55.50		
	Basic Rate Rs.	8462.00					**90.15**	9138.96	**823877.00**
	Add 8% A.W Rs.	676.96							
	Total Rate Rs.	**9138.96**							
12	KSRRB M300-2: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3.						Cum		
	Sanjeeviningara- 1st Cross		1	220.00	0.45	0.30	29.70		
	2nd Cross		2	220.00	0.45	0.30	59.40		

	Basic Rate Rs.	54.00					325.90	58.32	19006.00
	Add 8% A.W Rs.	4.32					89.10		5196.0
	Total Rate Rs.	**58.32**							
5	Removing BS Slab of drain and stacking.						Sqm		
	(P.No.28, I.No.5.32 of PW,P&IWTD S.R 2012-13)								
	Sanjeeviningara- 1st Cross		1	220.00		1.35	297.00		
	2nd Cross		2	220.00		1.35	594.00		
	Basic Rate Rs.	41.18					891.00	44.47	39627.00
	Add 8% A.W Rs.	3.29							39623.0
74	**Total Rate Rs.**	**44.47**							
6	Refixing stone slabs of drains and pointing in CM 1:3.								
	(P.No.28, I.No. 5.33 of PW,P&IWTD S.R 2012-13)								
		Sqm	Qty Same as I.No.1 (90%)				801.90	63.00	50517.00
	Basic Rate Rs.	58.33							50519.0
	Add 8% A.W Rs.	4.67							
15		**63.00**							
7	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. (7.50cms thick)						Sqm		
	(P.No.28, I.No.5.31.1 of PW,P&IWTD SR 2012-13.)								
			Qty Same as I.No.1 -10%)				89.10		
	Basic Rate Rs.	292.00					89.10	315.36	28099.00
	Add 8% A.W Rs.	23.36							
16	**Total Rate Rs.**	**315.36**							
8	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km (Page No.141)						Cum	149.10	
		Qty. Vide Item No.7					325.90		
							325.90	81.00	26398.00
Basic Ratefor haulage of materials as per it		12.80					149.10		12077.
Average weight of earth 1.28 tonne/Kg fo		62.20							
Add loading and unloading vide item No. 1		75.00							
	Area Weightage @ 8%	6.00							3237.00
14	Total	81.00							3243.8.
9	Miscesallaneous Charges	L/S							3439.00
								Total	2000000.00

(Rupees:- Twenty Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2012-2013.
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Junior Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP

Technical Sanction for Rs. 20.00 Lakhs
Twenty lakh only
MLA Grant
69 /12-13 Subject
69 /12-13 D: 6.2.13

AE/JE

ADMINISTRATIVELY SANCTIONED FOR Rs. 20 Lakhs

Rupees Twenty Lakhs Only

Under MLA Grants

Registered as EE ( ) No 9.....9.....

Subject to conditions contained in

enclosed memo EE (Y) No 886 /9/..2012-13

Dt 5/2/2013 Estimate A/Sanctioned

JC(Yel) ALA No 886/2012-13

Dated 5/2/2013 Rs 20 Lakhs

5/2/13

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.